

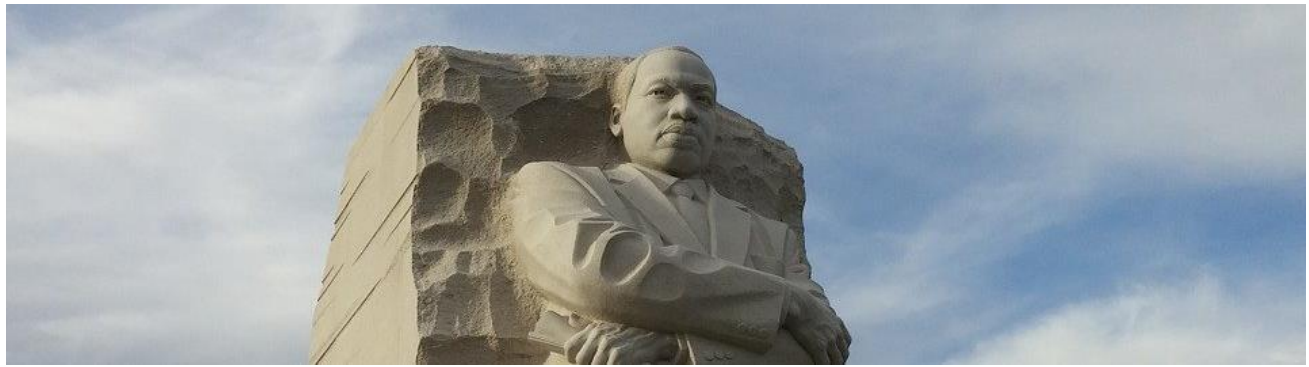


MassDEP

Drinking Water Program

One Winter Street – 5th Floor; Boston, MA 02108

Program.Director-DWP@mass.gov or 617-292-5770



Drinking Water Program Updates

2020-01-17

This week's program director email has these topics of interest:

1. **Free PFAS Testing Available**
2. New Resources for Addressing Lead in School Drinking Water
3. Mosquitocide Reporting in CCR
4. Document Search - Certificates of Registration, CCR, LCR
5. Legionella Webinar
6. EPA's Water Sense Winter Issue
7. Windows 7 Unsupported - *Good to Know Information*
8. Winter and Your Well
9. Training Calendar

Free PFAS Testing Available

This is a reminder of the availability of free testing for perfluoroalkyl and polyfluoroalkyl substances (PFAS) for public water suppliers.

In December 2019 a supplemental budget was passed providing funding for PFAS testing, the design of PFAS removal systems, and 0% interest loans for installing treatment systems for the removal of PFAS.

To get ready for the following actions PWS should sign up for the free analysis opportunity. It will result in a cost saving of approximately \$300.00 per analysis.

Get ready for the following changes:

- MassDEP's proposed Drinking Water PFAS Maximum Contaminant Level (MCL). **When finalized around summer of 2020, the PFAS Drinking Water Regulations will require all PWS to collect baseline PFAS sampling and take other actions if samples exceed the MCL.** See <https://www.mass.gov/lists/development-of-a-pfas-drinking-water-standard-mcl>
- Pending update of the Massachusetts Office of Research and Standards Revised Guideline (ORSG) for PFAS from 70 ppt to 20 ppt. This revised ORSG harmonizes with the proposed PFAS MCL.

If you are interested in free sampling, please complete a brief survey [at https://www.surveymonkey.com/r/S7QHNF2](https://www.surveymonkey.com/r/S7QHNF2) or send a request with the information described in the survey to program.director-dwp@mass.gov, Subject: "PFAS free lab analyses."

Available funding should allow for testing of all PWS in the state. Applicants will be notified when these programs are available.

New Resources for Addressing Lead in School Drinking Water

We have exciting news! On Monday January 13, 2020, Massachusetts Officials announced two new resources to assist communities in protecting children against exposure to lead in drinking water at schools and early education and child care facilities: **free water testing and a water bottle filling station grant program.**



MassDEP Commissioner Marty Suuberg speaking at the announcement of the new Lead in Schools Programs

The Massachusetts Department of Environmental Protection's (MassDEP) Expanded Assistance Program for Free Sampling and Analysis at Schools and Early Education and Care Facilities will continue the Commonwealth's nation-leading program offering free lead testing and technical assistance to eligible public schools and public and private group child care facilities. In addition, the Massachusetts Clean Water Trust has made available \$5 million in grants to cover the cost of water bottle filling stations to address detections of lead in drinking water at eligible public schools.

This is a great opportunity to encourage schools and child care facilities located in your distribution system to participate in both programs. For more information regarding eligibility see attached the documents that were shared with the schools and child care facilities located in your community.

Please remember that you can access lead and copper sample results for facilities on the EEA Data Portal website located at <https://eeaonline.eea.state.ma.us/portal#!/search/leadandcopper>.

MassDEP sends a big thank you to all PWS that have been working with us on the previous rounds of the Assistance Program. We look forward to your continued support for your local schools and child care facilities with the new resources.

If you have any question or ideas please contact the MassDEP Drinking Water Program at program.director-dwp@mass.gov or 617-292-5770.

Mosquitocide Reporting in Your CCR

During the summer and fall of 2019 Massachusetts had to address the threat of mosquitoes carrying Eastern Equine Encephalitis (EEE), a rare but potentially fatal disease. It was necessary for the state conduct aerial spraying to control the mosquito population.



Public Water Suppliers (PWS) with sources identified by MassDEP as near the spraying path were required to test for the sprayed mosquitocide in their reservoirs. For PWS participating in the mosquitocide spraying, if detected, the mosquitocide components must be listed the CCR.

The mosquitocide used this past summer for EEE spraying is Anvil 10 + 10 and is composed of the pesticide Sumithrin (also known as d-Phenothrin) plus the synergist, piperonyl butoxide. If these chemicals are detected in your **finished water** (entering the distribution system) they must be included in your CCR in the unregulated table.

Mosquito Control Chemicals Information for CCR Tables

Chemical (CASRN)	ORSG	To convert for CCR, multiply by	ORSG in CCR units	Source to Drinking Water	Health Effects
Sumithrin (d-Phenothrin)	---	---	---	Deposition and run-off from pesticide application for mosquitoes	Consumption of sumithrin in drinking water at very high concentrations could result in effects on the nervous system, including to the developing fetus, and may be irritating to eyes and skin, but these effects are very unlikely as sumithrin in water breaks down very quickly.
Piperonyl Butoxide	---	---	---	Deposition and run-off from pesticide application for mosquitoes	Consumption of piperonyl butoxide in drinking water for many years at very high concentrations could result in effects on the liver and may possibly increase the risk of cancer.

Document Search

Certificates of Registration – CCR Reports- LCR Approved Sampling Locations

The new 2020 PWS **Certificates of Registration** are now available online. You can go to the Document Search page at: <https://www.mass.gov/service-details/public-water-supplier-document-search> to retrieve your certificate. Scroll down to almost the bottom of the page until you see a blue bar with *Public Water System Document Search* in it. You have the choice of two pull-down menus: *PWS ID* or *PWS Name*. Hit the pull-down arrow of one of them, scroll until you find your

system, click on it, and then click the *Retrieve Document* button below it. Keep scrolling until you see *Documents for Download*. You will find a PDF of your Certificate of Registration.

Also note that you can find up to three more documents for your system on this site.

If you are a non-transient non-community or transient non-community system you can find your **Consumer Confidence Report** that MassDEP provided for you; community systems provide their own CCR. You print, sign, and post these in prominent areas for your consumers to view. Every July 1st an updated report will be posted.

Next you can find a PDF your **Compliance Monitoring Report**. Click on the PDF icon to retrieve your new 2020-2022 schedule. Please note that some schedules have not yet posted. If you click the button and nothing happens then your particular schedule is not quite ready. All schedules should be posted by January 24th. If you still have a problem contact Program.Director-DWP@mass.gov.

Last on the list of the Document Search page you will find a PDF of your **LCR Approved Sampling Sites**. This is for community and non-transient non-community systems only. You will need your password to open this document. If you have forgotten your password please contact program.director-dwp@mass.gov, Subject: Password Retrieval.

Legionella Webinar

The EPA Office of Research and Development and the Office of Water invite you to this free webinar on Legionella Management and Treatment. Certificates of attendance will be provided. [Register Here](#)

Visit the [Small Systems Monthly Webinar Series website](#) for upcoming webinars and past webinar recordings.



The U.S. Environmental Protection Agency's Office of Research and Development and Office of Water invite you to a free webinar

Small Systems Monthly Webinar Series



Legionella Management and Treatment

January 28, 2020 from 2:00 to 3:00 pm ET

Optional Q&A session from 3:00 to 3:30 pm ET

A certificate for one training hour will be offered for this webinar

Public Water System Characteristics That May Affect Legionella Occurrence in Building Water Systems

This presentation will highlight EPA's efforts to reduce *Legionella* risks through regulatory revisions, treatment technologies, and research on premise plumbing. An overview of public health impacts, challenges to addressing *Legionella* in drinking water, and potential risk factors in municipal supplies will be included.

Presented by **Kenneth Rotert**



Ken is a physical scientist in EPA's Office of Water, Office of Ground Water and Drinking Water, where he has been involved with regulatory review and development and examination of emerging drinking water issues since 1998. His focus has been on distribution systems, cross connections, and microbiological issues, such as *Legionella*, indicator bacteria, fecal contaminants, cyanobacteria, and Ebola.

Impact of Chlorine and Chloramine on the Detection and Quantification of *Legionella pneumophila* and *Mycobacterium* Species

Potable water can be a source of transmission for legionellosis and nontuberculous mycobacteria (NTM) infection and diseases. This presentation will investigate the influence of disinfectant type and total chlorine residual on the detection and concentration of the five leading pathogens associated with these infections and diseases.

Presented by **Maura Donohue, Ph.D.**



Maura is a research chemist in EPA's Office of Research and Development, Center of Environmental Solutions and Emergency Response. For the past ten years, her research has been centered around microbial control and disinfection byproducts. Her current efforts are focused on examining the distribution of *Legionella* and NTM and the water quality characteristics that support their persistence in the built environment.



Registration: [register.gotowebinar.com/register/3034705273449437699](https://www.epa.gov/register/register/3034705273449437699)

Who should attend?

State primacy agencies, Tribes, community planners, technical assistance providers, academia, and water systems interested in issues facing community water systems and solutions to help solve them.

Looking for more webinars?

This webinar is part of EPA's Monthly Small Systems Webinar Series. A drinking water focused webinar will typically be held every month.

<https://www.epa.gov/water-research/small-systems-monthly-webinar-series>

EPA's Water Sense Winter Issue

EPA's Water Sense Winter 2020 issue has some good articles on how to save water and energy with ideas on rebates for water sense fixtures, new shower heads, how to fix toilet leaks, and others. You can read the newsletter at: <https://www.epa.gov/watersense/watersense-current-winter-2020>. Remember that "Fix a Leak Week" is coming up March 16 through 22, 2020. Find out more at: <https://www.epa.gov/watersense/fix-leak-week>.

Winter and Your Well

Keeping your water well operating smoothly is what the Well Owners Network is all about. Now that winter is upon us, it's time to read up on our tips for protecting those important water well components from a freeze so you have a reliable source of water all year long. Go to the Water

Systems Council website to download the Winter 2020 newsletter at:
<https://www.watersystemscouncil.org/water-well-help/won-newsletter-archive/>.

Windows 7 is Now Unsupported

Good to know information

As of January 14, 2020 Microsoft stopped supporting Windows 7. What does that mean to you? When Microsoft stops supporting a version of Windows they stop issuing security updates for that operating system. There could be security holes found and Microsoft won't issue any security patches. Using your antivirus tools is just one layer of security but it is not enough. Your computer will work but will be vulnerable to all kinds of nasty malware and will be an easy target for hackers; think business data, bank accounts, health documents, and seriously consider using another device for emails.

The hardware will also be unsupported. New hardware components and peripherals will stop working. These hardware drivers and manufacturers might not create a driver for your old, out of-date operating system.

What should you do? Sticking with your outdated Windows 7 is simply not an option. Running an outdated operating system is not secure and you should upgrade to a newer system like Windows 10 or maybe try Linux, get a Chromebook, or even a Mac, that is until they outdate. Organizations should also ensure there are no hidden devices left running Windows 7 on their network after an upgrade. If you don't find it, be sure that cyber crooks will!

Training Calendar

When you need training please look at the training calendar located at:
mass.gov/eea/agencies/massdep/water/drinking/drinking-water-training-class-schedules.html for upcoming trainings.

If you need a refresher on recently given trainings, you can review several training videos located at:
youtube.com/playlist?list=PLJn2AKOcYr7lutGJB-UfDKtQPF_o_249m

Or click here:  **YouTube**

MassDEP is sending this important drinking water information to all PWS responsible persons who are listed on the state database. If you are no longer the correct responsible person for the PWS please reply with the correct contact information. MassDEP needs one responsible contact person from each PWS.

Operators, consultants, and others who are interested in Drinking Water Program Updates are encouraged to request to be subscribed to this email list. You may also request to be unsubscribed by replying to this email.

This MassDEP Program Director technical assistance email is funded by the Safe Drinking Water Act Assessment (Section 70) Program. The Assessment is paid by all consumers of public water in Massachusetts and is collected by public water systems. For more information about the Assessment Program, go to mass.gov/eea/agencies/massdep/news/advisory-committees/safe-drinking-water-act-assessment-advisory-committee.html.

Information on New Resources for Testing and Mitigating Lead in Drinking Water at Schools and Early Education and Care Facilities

Expanded Assistance Program for Lead in School and Child Care Drinking Water

Free lead testing and technical assistance for eligible facilities that did not participate in the previous testing efforts and all private early education and child care group facilities that meet eligibility criteria, including lower income, older facilities serving children's ages 6 years old and younger. Offered by MassDEP in partnership with UMass-Amherst.

Who is eligible for the new free lead testing program?	<u>Public</u> schools and childcare facilities statewide <u>Private</u> group care childcare facilities statewide
Where do I find out more information?	Visit: www.mass.gov/assistance-program-for-lead-in-school-drinking-water Email: lccadep@umass.edu or program.director-dwp@mass.gov

Water Bottle Filling Station Grant Program

Grants for water bottle filling stations to eligible public schools, childcare facilities, and early education facilities that that previously conducted testing, and those that participate in the next round of the Expanded Assistance Program, and detect levels above 1 part per billion. The School Water Improvement Grant program (SWIG) is offered by the MA Clean Water Trust in partnership with MassDEP.

Who is eligible for the SWIG bottle water filling station grant program?	<u>Public</u> schools and childcare facilities statewide
Where do I find out more information?	Visit: www.mass.gov/swig Email: SWIG@tre.state.ma.us

MWRA Testing Program for Lead in School and Child Care Drinking Water

Free lead testing for all participating facilities in the Massachusetts Water Resources Authority service area- public schools, public childcare facilities, and private group and family childcare facilities. MassDEP and UMass-Amherst provide technical assistance for those conducting testing.

Who is eligible for the MWRA free lead testing program?	<u>Public and private schools & public and private group and family childcare facilities</u> within MWRA member communities
Where do I find out more information?	Email: Beverly.Anderson@mwra.com



Massachusetts Expanded Assistance Program for
Lead in School and Childcare Drinking Water

Free Lead Water Testing

for **Schools and Childcare Facilities**



Program Advantages

*Free
Water
Testing*

*Free
Technical
Assistance*

*Free
Outreach
Materials*

*Grants for
Bottle Filling
Stations for
Eligible
Facilities **



Funding provided in part by a US Environmental Protection Agency grant
*Offered by the MA Clean Water Trust - See www.mass.gov/swig for details

Massachusetts Expanded Assistance Program for Lead in School and Childcare Drinking Water

Who Can Apply for Testing

- 1** Public Schools that did not participate in previous programs
- 2** Early Education and Care Facilities - both public and private group programs

Priorities for Selection

- ☐ Programs serving children 6 years old and under located in lower-income areas
- ☐ Facilities constructed before 1988 with a likelihood of sustained building use as a childcare facility
- ☐ Communities with elevated childhood lead exposure

How to Apply

Apply online: www.mass.gov/assistance-program-for-lead-in-school-drinking-water

Email: lccadep@umass.edu or program.director-dwp@mass.gov

Call: (413) 545-0840





Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

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Charles D. Baker
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Lieutenant Governor

Kathleen A. Theoharides
Secretary

Martin Suuberg
Commissioner

January 13, 2020

IMPORTANT NOTICE ABOUT NEW RESOURCES FOR ADDRESSING LEAD IN DRINKING WATER

Dear School or Child Care Facility Official,

We have exciting news! The Massachusetts Department of Environmental Protection (MassDEP) is announcing two new resources to assist you in protecting children against exposure to lead in drinking water at schools and early education and child care facilities: **free water testing and a water bottle filling station grant program.**

New Expanded Assistance Program for Lead in School and Child Care Drinking Water

Using funds from the US Environmental Protection Agency (USEPA), MassDEP is expanding its efforts to address lead in drinking water at schools and child care facilities. We will be offering **free** lead testing and technical assistance to eligible facilities that did not participate in the previous Assistance Program and all private early education and child care group facilities that meet USEPA's priorities for funding (e.g., lower-income areas, older facilities serving children's ages 6 years old and younger). We will again collaborate with the University of Massachusetts at Amherst (UMass) to implement all aspects of the program, including training, planning, technical assistance, and water sampling and analysis.

Who is eligible for the new free lead testing program?	<u>Public</u> schools and childcare facilities statewide <u>Private</u> group care childcare facilities statewide
Where do I find out more information?	Visit: www.mass.gov/assistance-program-for-lead-in-school-drinking-water Email: lccadep@umass.edu or program.director-dwp@mass.gov

New Water Bottle Filling Station Grant Program

The Massachusetts Clean Water Trust (CWT), a state agency that develops and finances water infrastructure projects, is partnering with the Baker-Polito Administration to offer **free** water

bottle filling stations to eligible public schools and public childcare facilities that conduct lead testing and detect levels above 1 part per billion (ppb). The School Water Improvement Grant (SWIG) program will be conducted in collaboration with MassDEP and is meant to incentivize testing for lead. Public schools and childcare facilities that previously conducted testing, and those that participate in the next round of the Expanded Assistance Program, will be eligible for assistance through SWIG.

Who is eligible for the SWIG free bottle water filling station program?	<u>Public</u> schools and childcare facilities statewide
Where do I find out more information?	Visit: www.mass.gov/swig Email: SWIG@tre.state.ma.us

Continued MWRA Testing Program for Lead in School and Child Care Drinking Water

The Massachusetts Water Resources Authority (MWRA), the largest public water system in Massachusetts, will also continue to provide **free** testing services for all participating facilities in their service area- public schools, public childcare facilities, and private group and family childcare facilities. MassDEP and UMass will continue to be the technical assistance provider for those conducting testing through MWRA's program.

Who is eligible for the MWRA free lead testing program?	<u>Public and private</u> schools & <u>public and private group and family</u> childcare facilities within MWRA member communities
Where do I find out more information?	Email: Beverly.Anderson@mwra.com

We look forward to continuing to work with you on the issue of lead in drinking water.

Yvette DePeiza



Program Director
MassDEP Drinking Water Program